



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hilda E. Smith

Serial No.: 10/632,117

Filed: July 31, 2003

For: ENVIRONMENTALLY
REGULATED GENES OF
STREPTOCOCCUS SUIS

Confirmation No.: 5350

Examiner: J. Hines

Group Art Unit: 1645

Attorney Docket No.: 2183-6055US

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Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

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Foreign Patent Documents

Document No.

WO 98/19689 A

Publication Date

05-14-1998

Patentee

SmithKline Beecham Corporation

Other Documents

COURTNEY et al., Cloning, Sequencing, and Expression of a Fibronectin/Fibrinogen-Binding Protein from Group A Streptococci, *Infection and Immunity*, Sept. 1994, pp. 3937-46, Vol. 62, No. 9.

DATABASE EMBL [Online] *Streptococcus pneumoniae* adherence and virulence protein A (pavA) gene, complete cds, 4 November 1999, XP002332859, retrieved from EBI accession no. EM_PRO:AF181976, Database accession no. AF181976.

HOLMES et al., The pavA gene of *Streptococcus pneumoniae* encodes a fibronectin-binding protein that is essential for virulence, *Molecular Microbiology*, 2001, pp. 1395-1408, Vol. 41, No. 6.

DATABASE EMBL [Online], *S.gordonii* partial aldB gene, cshA gene & fbpA gene, XP002332860 retrieved from EBI accession no. EM_PRO:SGSCHAG, Database accession no. X65164.

CHRISTIE et al., Expression of fibronectin-binding protein FbpA modulates adhesion in *Streptococcus gordonii*, *Microbiology*, 2002, pp. 1615-25, Vol. 148.

DE GREEFF et al., Contribution of Fibronectin-Binding Protein to Pathogenesis of *Streptococcus suis* Serotype 2, *Infection and Immunity*, Mar. 2002, pp. 1319-25, Vol. 70, No. 3. European Search Report, EP 02 71 1531 dated June 22, 2005.

ELLIS, R.W. (Chapter 29 of "VACCINES" Plotkin, S.A. et al. (eds) published by W. B. Saunders company (Philadelphia) in 1988, especially P. 571.

HERBERT et al eds, *The Dictionary of Immunology*, Academic Press, 1995.

GOTTSCHALK et al., *Journal of Clinical Microbiology*, December 1999, pp. 4242, Vol. 37, No. 12.

SEGURA et al., *FEMS Immunology and Medical Microbiology*, 1998, pp. 189-95, Vol. 12.

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STAATS et al., Veterinary Research Communications, 1997, pp. 381-407, Vol. 21.

BRAZEAU et al., Microbiology, 1996, pp. 119-21, Vol. 8.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,



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Date: March 27, 2007
DJM/bv

Enclosures: Form PTO/SB/08
Cited Non-U.S. Patent Documents
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Substitute for CON. E-49 A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/632,117
Filing Date	July 31, 2003
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	J. Hines
Attorney Docket Number	2183-6055US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Jana Hines/ (10/01/2007)	Date Considered	10/01/2007
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 2

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Group Art Unit	1645
Examiner Name	J. Hines
Attorney Docket Number	7183.6055US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/JH/		COURTNEY et al., Cloning, Sequencing, and Expression of a Fibronectin/Fibrinogen-Binding Protein from Group A Streptococcus, Infection and Immunity, Sept. 1994, pp. 3937-46, Vol. 62, No. 9.	
		DATABASE EMBL [Online] Streptococcus pneumoniae adherence and virulence protein A (pavA) gene, complete cds, 4 November 1999, XP002332859, retrieved from EBI accession no. EM_PRO-AF181976, Database accession no. AF181976.	
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		DATABASE EMBL [Online] S.gordonii partial adhB gene, cshA gene & RfpA gene, XP002332860 retrieved from EBI accession no. EM_PRO-SGSCHAG, Database accession no. X65164.	
		CHRISTIE et al., Expression of fibronectin-binding protein PfpA modulates adhesion in Streptococcus gordonii, Microbiology, 2002, pp. 1615-25, Vol. 148.	
		DE GREEFF et al., Contribution of Fibronectin-Binding Protein to Pathogenesis of Streptococcus suis Serotype 2, Infection and Immunity, Mar. 2002, pp. 1319-25, Vol. 70, No. 3.	
		European Search Report, EP 02 71 1531 dated June 22, 2005.	
		ELLIS, R.W. (Chapter 29 of "VACCINES" Plotkin, S.A. et al. (eds) published by W. B. Saunders company (philadelphia) in 1988, especially P. 571.	
		HERBERT et al eds, The Dictionary of Immunology, Academic Press, 1995.	
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		SEGURA et al., FEMS Immunology and Medical Microbiology, 1998, pp. 189-95, Vol. 12.	
		REAMS et al., J. Vet. Diagn. Invest. 1996, pp. 119-21, Vol. 8.	
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Signature

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